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PATENT

Attorney Docket No. A-71608/TAL/DHR

Dorsey File No. 465174-00460

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ALLISON *et al.*

Serial No.: 10/600,997

Filing Date: June 20, 2003

For: *Compositions and Methods for  
Modulating Lymphocyte Activity*

Examiner: Not Yet Assigned

Art Unit: 1653

CERTIFICATE OF MAILING

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Dated: July 29, 2004

Signed:   
Lukas Szymanski

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. Copies of these references are enclosed.

Further, in accordance with the provisions of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that the references listed on the enclosed substitute for form PTO-1449 marked with an asterisk (\*) were first cited in an International Search Report dated February 11, 2004, for counterpart PCT application PCT/US03/19614. A copy of the International Search Report for the counterpart PCT application is enclosed herewith.

Serial No.: 10/600,997  
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None of the foregoing references are believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application.

Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required. While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 465174-00460 (A-71608/TAL/DHR)).

If there are any questions with regard to the foregoing, please call applicant's attorney at 415-781-1989.

Respectfully submitted,  
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By:   
Todd A. Lorenz, Reg. No. 39,754

Serial No.: 10/600,997  
Filing Date: June 20, 2003

Attachments: PTO/SB-8A/B, Substitute for form PTO-1449  
51 cited references  
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Substitute for form 1449A/PTO  
(Modified)

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

### Complete if Known

Application Number	10/600,997
Filing Date	June 20, 2003
First Named Inventor	ALLISON, James P.
Art Unit	1653
Examiner Name	To Be Assigned
Attorney Docket Number	A-71608/TAL/DHR (465174-00460)

Sheet	1	of	3
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### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	2002/0071839 A1	06-13-2002	Collins et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1 *	WO 99/40100 A1	08-12-1999	Human Genome Sciences, Inc.		
	B2 *	WO 02/072794 A2	09-19-2002	Incyte Genomics, Inc.		
	B3	WO 04/000221 A2	12-31-2003	The Regents of the University of California		
	B4	WO 02/06317 A2	01-24-2002	Corixa Corp.		
	B5	WO 02/10187 A1	02-07-2002	Mayo Foundation for Medical Education and Research		
	B6	WO 02/02624 A2	01-10-2002	Amgen, Inc.		
	B7	WO 02/16581 A2	02-28-2002	Genentech, Inc.		
	B8	WO 02/16429 A2	02-28-2002	Genentech, Inc.		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	C1	ABBAS, A.K., et al., "T-cell stimulation: an abundance of B7s," <i>Nat. Med.</i> 5(12):1345-1346 (Dec. 1999).	
	C2	ANDERSON, D., et al., "Paradoxical inhibition of T-cell function in response to CTLA-4 blockade; heterogeneity within the human T-cell population," <i>Nat. Med.</i> 6(2):211-214 (Feb. 2000).	
	C3	ARCECI, R., "The potential for antitumor vaccination in acute myelogenous leukemia," <i>J. Mol. Med.</i> 76:80-93 (1998).	
	C4	BODEY, B., et al., "Failure of cancer vaccines: the significant limitations of this approach to immunotherapy," <i>Anticancer Res.</i> 20(4):2665-2676 (Jul. - Aug. 2000).	
	C5	BRODIE, D., et al., "LICOS, a primordial costimulatory ligand," <i>Curr. Biol.</i> 10(6):333-336 (Mar. 2000).	
	C6	CARRENO, B.M., et al., "The B7 family of ligands and its receptors: new pathways for costimulation and inhibition of immune response," <i>Annu. Rev. Immunol.</i> 20:29-53 (2002).	
	C7	CHAMBERS, C., et al., "CTLA-4-mediated inhibition in regulation of T cell responses: mechanisms and manipulation in tumor immunotherapy," <i>Annu. Rev. Immunol.</i> 19:565-594 (2001).	
	C8	CHAMBERS, C., et al., "Thymocyte development is normal in CTLA-4-deficient mice," <i>Proc. Natl. Acad. Sci. USA</i> 94(17):9296-9301 (Aug. 1997).	
	C9	CHAPOVAL, A.I., et al., "B7-H3: a costimulatory molecule for T cell activation and IFN- $\gamma$ production," <i>Nat. Immunol.</i> 2(3):269-274 (Mar. 2001).	

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Substitute for form 1449A/PTO (Modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/600,997	
			Filing Date	June 20, 2003	
			First Named Inventor	ALLISON, James P.	
			Art Unit	1653	
			Examiner Name	To Be Assigned	
Sheet	2	of	3	Attorney Docket Number	A-71608/TAL/DHR (465174-00460)

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		† <sup>6</sup>
	C10	CHRISTADOSS, P., et al., "Animal models of Myasthenia gravis," <i>Clin. Immunol.</i> 94(2):75-87 (Feb. 2000).		
	C11	COYLE, A.J., et al., "The expanding B7 superfamily: increasing complexity in costimulatory signals regulating T-cell function," <i>Nat. Immunol.</i> 2(3):203-209 (Mar. 2001).		
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	C24	LEE, K.-H., et al., "Increased vaccine-specific T cell frequency after peptide-based vaccination correlates with increased susceptibility to <i>in vitro</i> stimulation but does not lead to tumor regression," <i>J. Immunol.</i> 163(11):6292-6300 (Dec. 1999).		
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	C35	TRIOZZI, P., et al., "Clinical and immunologic effects of a synthetic $\beta$ -human chorionic gonadotropin vaccine," <i>Int. J. Oncol.</i> 5:1447-1453 (1994).		
	C36	TSENG, S.Y., et al., "B7-DC, a new dendritic cell molecule with potent costimulatory properties for T cells," <i>J. Exp. Med.</i> 193(7):839-846 (Apr. 2001).		
	C37	WALLACK, M., et al., "Active specific immunotherapy with vaccinia melanoma oncolysate," <i>Immunity</i> 1(5):405-413 (Aug. 1994).		
	C38	WANG, S., et al., "Costimulation of T cells by B7-H2, a B7-like molecule that binds ICOS," <i>Blood</i> 96(8):2808-2813 (Oct. 2000).		
	C39	YANG, Y., et al., "Enhanced induction of antitumor T-cell by cytotoxic T lymphocyte-associated molecule-4 blockade: The effect is manifested only at the restricted tumor-bearing stages," <i>Cancer Res.</i> 57:4036-4041 (Sep. 1997).		
	C40	YOSHINAGA, S.K., et al., "T-cell co-stimulation through B7RP-1 and ICOS," <i>Nature</i> 402(6763):827-832 (Dec. 1999).		
	C41	ZAKS, T., et al., "Immunization with a peptide epitope (p369-377) from HER-2/neu leads to peptide-specific cytotoxic T lymphocytes that fail to recognize HER-2/neu+ tumors," <i>Cancer Res.</i> 58:4902-4908 (Nov. 1998).		
	C42	ZHU, J., et al., "Cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) blockade enhances incidence and severity of experimental autoimmune neuritis in resistant mice," <i>J. Neuroimmunol.</i> 115(1-2):111-117 (Apr. 1999).		

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